

## 12/20 kV

### XLPE INSULATED GALVANIZED FLAT STEEL WIRE ARMoured MEDIUM VOLTAGE POWER CABLES



**YXC8VZ3V-R (TSE)  
N2XSEYFGbY(VDE) 2XSEYFGbY(IEC)  
Cu/XLPE/SC/PVC/SWA/PVC  
(BS)**

|                        |   |
|------------------------|---|
| <b>Code</b>            | YXC8VZ3V-R (TSE), N2XSEYFGbY(VDE), 2XSEYFGbY(IEC), Cu/XLPE/SC/PVC/SWA/PVC (BS)  |
| <b>Standarts</b>       | TS IEC 60502-2, VDE 0276  |
| <b>Construction</b>    | Copper conductor,inner semiconductive layer,XLPE insulation,Outer semiconductive layer,semiconductive tape,copper tape screen,PVC inner sheath,PVC seperation sheath,galvanized steel wires and tape,PVC outer sheath |
| <b>Application</b>     | Where there is mechanical heavy duties,underground,cable ducts, power distribution cabinets,city network,industrial builts  |
| <b>Technical Datas</b> | Max. operating temperature 90 ° C<br>Max. permissible short circuit temperature 250 °C, max. for 5 sec.<br>Min. Bending radius 15*D D: overall diameter   |

| Dimensions and Weights |                  |            |                          |                             | Electrical Information            |                                    |  |                                     |                  |
|------------------------|------------------|------------|--------------------------|-----------------------------|-----------------------------------|------------------------------------|--|-------------------------------------|------------------|
| Nominal cross-section  | Overall Diameter | Net weight | Standart delivery lenght | Standart delivery reel size | Conductor DC resistance at 20 ° C | Per conductor inductance (approx.) | Operating apacitance (approx.) at 20 ° C | Current carrying capacity (approx.) |                  |
| (mm <sup>2</sup> )     | (mm)             | (kg/km)    | (m)                      | (cm)                        | (ohm/km)                          | (mH/km)                            | (mikrofarad/km)                          | Ground (A) at 20 °C                 | Air (A) at 30 °C |
| 3x35/16 rm             | 61,0             | 5750       | 1000                     | 240                         | 0,524                             | 0,41                               | 0,14                                     | 175                                 | 172              |
| 3x50/16 rm             | 64,0             | 6550       | 500                      | 200                         | 0,387                             | 0,39                               | 0,15                                     | 205                                 | 205              |
| 3x70/16 rm             | 68,0             | 7650       | 500                      | 220                         | 0,268                             | 0,37                               | 0,17                                     | 252                                 | 253              |
| 3x95/16 rm             | 72,0             | 9000       | 500                      | 230                         | 0,193                             | 0,35                               | 0,19                                     | 305                                 | 307              |
| 3x120/16 rm            | 76,0             | 10100      | 500                      | 240                         | 0,153                             | 0,34                               | 0,21                                     | 350                                 | 352              |
| 3x150/25 rm            | 79,0             | 11550      | 500                      | 240                         | 0,124                             | 0,32                               | 0,22                                     | 392                                 | 397              |
| 3x185/25 rm            | 84,0             | 13250      | 350                      | 240                         | 0,0991                            | 0,31                               | 0,24                                     | 445                                 | 453              |
| 3x240/25 rm            | 90,0             | 15450      | 350                      | 240                         | 0,0754                            | 0,3                                | 0,27                                     | 520                                 | 529              |
| 3x300/25 rm            | 96,0             | 18000      | 250                      | 240                         | 0,0601                            | 0,29                               | 0,29                                     | 580                                 | 626              |
| 3x400/35 rm            | 103,0            | 21650      | 250                      | 240                         | 0,0470                            | 0,28                               | 0,33                                     | 620                                 | 720              |

rm:Stranded conductor